

Application No.: 10/024,143
 Amdt. Dated: October 10, 2006
 Reply to Office Action Dated: July 10, 2006

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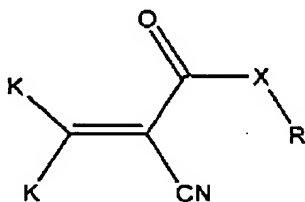
Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-3 (Cancelled).

Claim 4 (Currently Amended) A composition comprising a chemical moiety comprising the structure:



wherein:

K is H;

X is NR, O, NR, S or Se;

R is ~~absent~~, -H, -(CH₂)_nalkyl, -(CH₂)_nalkenyl, -(CH₂)_nalkynyl, -(CH₂)_ncycloalkyl, -(CH₂)_n heterocyclyl, -(CH₂)_naryl or -(CH₂)_nheteroaryl;

n is an integer from 0 to 10;

R' is CH(Z)-CO- ~~a substituted organic residue~~;

Z is H or substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl or heterocyclyl moiety;

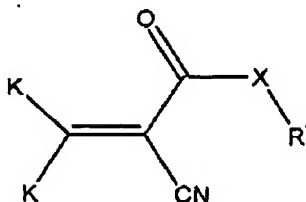
and

[R'-X] comprises an amino acid residuc.

Claim 5 (Currently Amended): A composition comprising a chemical moiety comprising the structure:

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wherein:

K is H;

X is NR, O, NR, S or Se;

R is ~~absent~~, -H, -(CH₂)_nalkyl, -(CH₂)_nalkenyl, -(CH₂)_nalkynyl, -(CH₂)_ncycloalkyl, -(CH₂)_n heterocyclyl, -(CH₂)_naryl or -(CH₂)_nheteroaryl;

n is an integer from 0 to 10;

R' is CH(Z)-CO- ~~a substituted organic residue~~;

Z is H or substituted or unsubstituted alkyl, alkenyl, alkynyl, aryl or heterocyclyl moiety;
 and

[R'-X] comprises a residue of an amino acid selected from the group consisting of glycine, alanine, valine, cysteine, leucine, isoleucine, serine, threonine, methionine, glutamic acid, aspartic acid, glutamine, asparagine, lysine, arginine, proline, histidine, phenylalanine, tyrosine and tryptophan.

Claim 6 (Original): The composition of claim 4, wherein said residue is of an amino acid selected from the group consisting of glycine, alanine, valine, cysteine, leucine, isoleucine, serine, threonine, methionine, glutamic acid, aspartic acid, glutamine, asparagine, lysine, arginine, proline, histidine, phenylalanine, tyrosine, tryptophan, and an analog, derivative or congener of any of the foregoing.

Claim 7 (Original): The composition of claim 5, wherein said amino acid is an (L) stereoisomer.

Claims 8 -151 (Cancelled).